

## MUG/EC AND MUD/SF MEDIUM

A miniaturized microplate method for the multi-tube (MPN) procedure according to EN/ISO 9308-3 (MUG/EC) and EN ISO 7899-1 (MUD/SF). The microplates are applicable to all types of surface and waste water, particularly those rich in suspended matter, such as bathing water, surface, fresh and waste water.

Code number of MUG/EC Medium:	MUG80096-WH
Code number of MUD/FS Medium:	MUD80096-WH
Code number of Artificial Sea Water:	SIS30100
Appearance:	Microplate with a specific dehydrated substrate in the wells.
pH (25 °C):	7,3 – 7,7

**Procedure:** According to EN/ISO 9308-3:2000 (MUG/EC) and EN ISO 7899-1:2000. The rehydration of the medium is completed when 200 µl water sample (diluted with Artificial Sea Water according to its origin and its suspected level of contamination) is added to the wells. In the presence of the appropriate enzyme, the substrate releases a blue fluorescent compound (4-methylumbelliferone) that is visible under UV light (366 nm) after an incubation period of 36 to 72 hrs at 44 °C.

### FORMULA of MUG/EC in g/l

Tryptone	40,0
Salicine	1,0
Triton X-100	1,0
MUG	0,1

### FORMULA of MUD/SF in g/l

Peptones	40,00
Galactose	2,00
Nalidixic acid	0,25
Thallium(I) acetate	2,00
TWEEN 80	1,50
MUD	0,15
2,3,5 Triphenyltetrazolium chloride	0,10
Buffers	14,00

**Storage conditions:** Store the plates protected from light, at 2-8 °C. (Store the Artificial Sea Water protected from light at room temperature.)

**Quality control:** according to EN/ISO 9308-3:2000 (MUG/EC) and EN ISO 7899-1:2000 (MUD/SF).

**References:** EN/ISO 9308-3:2000; EN ISO 7899-1:2000

**In vitro diagnostic – for professional use only!**